

TYPICAL REINFORCED CONCRETE PAVEMENT SECTION



- 1. BENCHMARK: ELEV. = 329.43'; TOP NUT OF EXISTING FIRE HYDRANT ADJACENT TO COLLEGE MAIN AND WATSON LANE INTERSECTION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES. AT LEAST 48-HOURS PRIOR TO BEGINNING CONSTRUCTION, THE
  - CONTRACTOR SHALL CONTACT DIG TESS @ 1-800-344-8377. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF B/CS UNIFIED DESIGN GUIDELINES AND SPECIFICATIONS FOR WATER, SEWER, DRAINAGE AND STREET
- CONSTRUCTION. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY'S STANDARDS. ALL CONSTRUCTION SHALL BE COORDINATED WITH THE CITY ENGINEER'S 4. THE CONTRACTOR IS RESPONSIBLE FOR <u>ALL</u> CONSTRUCTION SAFETY. CONSTRUCTION DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- LOCATION OF EXISTING BURIED UTILITIES, WHERE SHOWN, IS APPROXIMATED ONLY. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING
- OF ALL BURIED UTILITIES. 5. THE PROPOSED BUILDINGS AND ASSOCIATED DIMENSIONS SHOWN HEREIN WERE PROVIDED THIS PROJECT IS LOCATED IN THE SOUTH COLLEGE OVERLAY DISTRICT (SC-B) AND IS
- APPROVED OF CONDOMINIUM USE PER APPROVED CONDITIONAL USE PERMIT. 3. THE SUBJECT PROPERTY DOES NOT LIE WITHIN THE LIMITS OF THE 100-YEAR FLOOD HAZARD AREA AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY: MAP NUMBER 48041C0215E, EFFECTIVE DATE MAY 16, 2012.
- PROVIDED BY PAUL WILLIAMS SURVEYING CO., DECEMBER 2015. 10. ALL SIDEWALKS AND RAMPS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH A.D.A. (AMERICANS WITH DISABILITIES ACT) AND T.A.S. (TEXAS ACCESSIBILITY STANDARDS)
- REQUIREMENTS AND STANDARDS. 11. LANDSCAPE DESIGN AND ANALYSIS CAN BE FOUND ON SHEET L-1. IRRIGATION PLANS SHALL BE PROVIDED BY OTHERS.
- 2. ALL CURB RADII SHALL BE 2' FROM BACK OF CURB UNLESS NOTED OTHERWISE. ALL DIMENSIONS SHOWN ARE MEASURED FROM BACK OF CURB UNLESS NOTED OTHERWISE
- . CONTRACTOR SHALL HYDRO-MULCH SEED TO PROMOTE GRASS RE-GROWTH TO ALL AREAS THAT HAVE BEEN DISTURBED BY CONSTRUCTION. . ALL ROOF AND GROUND MOUNTED MECHANICAL EQUIPMENT SHALL BE SCREENED FROM VIEW OR ISOLATED SO AS NOT TO BE VISIBLE FROM ANY PUBLIC RIGHT OF WAY OR RESIDENTIAL DISTRICT WITH-IN 150' OF THE SUBJECT LOT, MEASURED FROM A POINT FIVE
- ARCHITECTURE AND SCALE TO MAINTAIN A UNIFIED APPEARANCE. 16. THIS PROJECT MUST BE APPROVED BY PLANNING AND ZONING COMMISSION FOR
- 17. ALL MAINTENANCE AND UP-KEEP OF ALL COMMON AREAS WILL BE THE RESPONSIBILITY OF THE HOMEOWNER'S ASSOCIATION. 18. CONDOMINIUM UNITS SHALL MEET CITY OF BRYAN ORDINANCE: WIDTH: 16' - 8"

- 19. THIS CONDOMINIUM DEVELOPMENT WILL PROVIDE A CROSS ACCESS EASEMENT TO PROVIDE SHARED PARKING LIMITED TO CONDOMINIUM'S USE ONLY. 20. IRRIGATION SYSTEM - POTABLE WATER SUPPLY MUST BE PROTECTED BY EITHER AN
- ATMOSPHERIC OR PRESSURE VACUUM BREAKER OR TESTABLE DOUBLE CHECK VALVE ASSEMBLY, AND INSTALLED AS PER CITY ORDINANCE. 21. POTABLE WATER PROTECTION - ALL DEVICES, APPURTENANCES, APPLIANCES AND
- APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION AND THAT CONNECTS TO THE WATER SYSTEM, SHALL BE PROVIDED WITH PROTECTION AGAINST BACK FLOW AND CONTAMINATION OF THE WATER SUPPLY SYSTEM.

### FOUNDATION & BUILDING CONSTRUCTION:

### FOUNDATION AND BUILDING DESIGN AND CONSTRUCTION ARE TO BE PROVIDED BY OTHERS. AND ARE NOT INCLUDED IN THESE DOCUMENTS. SITE CLEARING AND GRADING:

- 1. SITE PREPARATION: CONTRACTOR SHALL CLEAR AND GRUB DESIGNATED AREAS OF ALL TOP SOIL AND ORGANIC MATERIAL. TOP SOIL SHALL BE STOCKPILED ON-SITE AT A LOCATION DESIGNATED BY OWNER.
- ALL AREAS THAT ARE FOUND TO BE 'PUMPING' OR 'SINK-HOLES' OR NOT TO BE IN ORIGINAL UN-EXCAVATED COMPACTED STATE, SHALL BE REMOVED AND REPLACED WITH SELECT FILL, COMPACTED PER PROJECT SPECIFICATIONS.

## PARKING ANALYSIS & PAVEMENT DESIGN NOTES:

- PARKING ANALYSIS & REQUIREMENTS:  $4\sim2$  BEDROOM CONDO UNITS PER BLDG. (4 BLDGS.) = 32 REQ'D PARKING SPOTS
- 15 PARKING SPOTS PROVIDED \* INCLUDES 2 HANDICAP SPOTS (1 VAN ACCESSIBLE)
- 5" THICK, #4 REBAR (GRADE 60) AT 18" O.C.B.W. 5" THICK, #4 REBAR (GRADE 60) AT 18" O.C.B.W. PARKING AREAS:

TRASH DUMPSTER AREA:

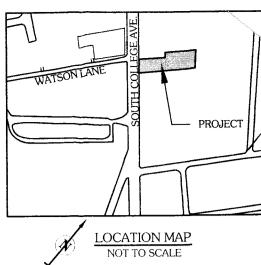
2" TAPPING SADDLE

W/ CORP. STOP (TYP.)

- 3. CONCRETE SHALL BE 3,000 psi AT 28 DAY STRENGTH. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SLUMP DURING PLACEMENT. (5" SLUMP MAXIMUM)
- 4. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PLACEMENT 5. CONTRACTOR SHALL HAVE 3 TEST CYLINDERS MADE AND TESTED FOR EVERY 100

8" THICK. #4 REBAR (GRADE 60) AT 18" O.C.B.W.

- YARDS OF CONCRETE PLACED PER DAY.
- PAVEMENT MARKINGS & STRIPING: DO NOT APPLY TRAFFIC AND LANE STRIPING UNTIL LAYOUT AND PLACEMENT HAS BEEN APPROVED BY ENGINEER. PAVEMENT SURFACE
- MUST BE SWEPT CLEAN AND FREE OF MATERIAL AND DUST. ALL PAVEMENT MARKINGS SHALL BE MECHANICALLY APPLIED TO PRODUCE UNIFORM STRAIGHT EDGES. ALL PAVEMENT STRIPINGS SHALL BE 4" WIDE. CONTRACTOR SHALL USE CHLORINATED-RUBBER BASED TRAFFIC PAINT - FACTORY MIXED, QUICK-DRYING, AND NON-BLEEDING.



---- EXISTING EASEMENT LINE BUILDING SETBACK LINE EXISTING CONTOURS PROPOSED CONTOURS S/F — EROSION CONTROL FENCE (SILT) ---- AE ---- EXISTING AERIAL ELECTRIC LINES ----- EDGE OF CONCRETE / CURB SANITARY SEWER MANHOLE STORM DRAIN MANHOLE FIRE HYDRANT WATER VALVE TRANSFORMER UTILITY POLE GUY WIRE ANCHOR WOOD FENCE CONCRETE 23' ACCESS EASEMENT EXISTING/PROPOSED TREE

## CONDITIONAL USE NOTES:

- 1. THIS CONCEPT PLAN IS FOR APPLICATION FOR A CONDITIONAL USE PERMIT FOR FOUR
- 4 DWELLING UNIT CONDOMINIUM BUILDINGS IN THE SOUTH COLLEGE BUSINESS DISTRICT (SC-B) ZONING 2. THE SOUTH COLLEGE CONDOS SHALL BE A HIGH END SINGLE FAMILY CONDOMINIUM
- DEVELOPMENT WITH ACCOMPANYING SIDEWALKS AND LANDSCAPING THAT WILL REPLACE THE PREVIOUSLY APPROVED COMMERCIAL DESIGNATION.
- 3. THE CONDOMINIUMS WILL BE 2 BEDROOM, 2 BATH, TWO STORY UNITS WITH THE FRONT FACING SOUTH COLLEGE AVENUE. SEE DIAGRAM THIS PAGE.
- 4. PROJECT IS LOCATED AT 3411 SOUTH COLLEGE AVENUE ON 1.078 ACRES AND IS CURRENTLY VACANT.
- MAP #48041C215E DATED MAY 16, 2012. 6. SITE DEVELOPMENT SHALL MEET CITY OF BRYAN DEVELOPMENT STANDARDS FOR WATER, SANITARY SEWER, STORM SEWER, PARKING AND STREET/PAVEMENT DESIGN.
- 7. CONDOMINIUM UNITS SHALL BE:MEET CITY OF BRYAN ORDINANCE: WIDTH: 16' - 8" 667 SQ FT.
- 9. THIS CONDOMINIUM DEVELOPMENT WILL MAINTAIN / PROVIDE A CROSS ACCESS DRIVE TO THE EXISTING NEIGHBOR TO THE REAR.
- 10. 2 12' x 12' TRASH BIN ENCLOSURES ARE PROVIDED WITH LOCKING GATES. PROPERTY METES AND BOUNDS DESCRIPTIONS SHOWN HEREIN WERE PROVIDED B PWS SURVEYING COMPANY IN DECEMBER 2015.
- 12. A 5' SIDEWALK WITH A 3' BUFFER WILL BE PROVIDED ALONG SOUTH COLLEGE AVE 13. POTABLE WATER PROTECTION - ALL DEVICES, APPURTENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION AND THAT CONNECTS TO THE WATER SUPPLY SYSTEM, SHALL BE PROVIDED WITH PROTECTION AGAINST BACK FLOW AND CONTAMINATION OF THE WATER SUPPLY SYSTEM.

## **DWELLING UNITS SPECS:**

4 - 2 BEDROOM CONDO UNITS PER BLDG. ~ 4 BLDGS. (1,041 SQ. FT. EACH) MAXIMUM BUILDING HEIGHTS ~ 25 FEET

## DWELLING UNIT DENSITY: 15 D.U. / ACRE (MAX 25)

REQUIRED PARKING - 1 PARKING SPOT PER BEDROOM

# $4 \sim 2$ BEDROOM CONDO UNITS PER BLDG. (4 BLDGS.) = 32 REQ'D PARKING SPOTS

\*\* PARKING SPOTS PROVIDED: 37 PARKING SPOTS STORM WATER MITIGATION & DETENTION:

CURRENTLY, STORM WATER RUN-OFF SHEET FLOWS FROM THE FRONT OF THE LOT ADJOINING SOUTH COLLEGE AVENUE AND FLOWS TO THE REAR OF THE LOT TO THE EASTERN PROPERTY CORNER WHERE IT CROSSES THE ADJOINING PROPERTIES.

PROPOSED STORM WATER RUN-OFF INCREASES FROM THIS PROJECT WILL BE DETAINED ON-SITE AND METER RELEASED EQUAL TO OR LESS THAN CURRENT STORM

## SOLID WASTE DISPOSAL

- 1. 2 12' WIDE x 13' DEEP CONTAINMENT AREA SHALL BE PROVIDED WITH 6' FENCED ENCLOSURE FOR STANDARD 12' x 12' METAL TRASH BINS. TRASH BINS SHALL BE SHARED BY ALL TENANTS AND RETAIL.
- 2. CONTAINMENT DOORS MUST BE A MINIMUM OF 12' WIDE OPENING. DOORS MUST HAVE THE ABILITY TO LOCK IN THE OPEN AND CLOSED POSITIONS.
- 3. DUMPSTER PADS SHALL BE 8" THICK REINFORCED CONCRETE WITH #5 REBARS AT 12" O.C.B.W. AND THE PAD SHALL EXTEND 10' IN FRONT OF DUMPSTER.

## DEMOLITION / CONSTRUCTION WASTE

- 1. CONTRACTOR SHALL PROVIDE CONTAINMENT FOR WASTE, PRIOR TO, AND DURING, DEMOLITION / CONSTRUCTION. SOLID WASTE ROLL-OFF BOXES / METAL DUMPSTERS SHALL BE SUPPLIED BY CITY OR CITY PERMITTED CONTRACTOR(S) ONLY.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTAINMENT AND PROPER DISPOSAL OF ALL LIQUID AND SOLID WASTE ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL USE ALL MEANS NECESSARY TO PREVENT THE OCCURRENCES OF WIND BLOWN LITTER FROM THE PROJECT.

## SITE ELECTRICAL NOTES:

2" TAPPING SADDLE

4" D.I. TEE

DBL. 2" WATER METER BANK DETAIL

4"Ø AWWA C900 PVC PIPE

BE MECHANICAL JOINT FITTINGS

\* ALL FITTINGS SHALL

SEE PLAN VIEW FOR 12" MAIN CONNECTION

W/ CORP. STOP (TYP.)

- 1. DEVELOPER INSTALLS CONDUIT PER BTU SPECS AND DESIGN.
- 3. DEVELOPER TO INTERCEPT EXISTING CONDUIT AT DESIGNATED TRANSFORMERS AND
- EXTEND AS REQUIRED. 4. IF CONDUIT DOES NOT EXIST AT DESIGNATED TRANSFORMER, DEVELOPER SHALL FURNISH AND INSTALL CONDUIT AS SHOWN ON ELECTRICAL LAYOUT.

#### TRANSFORMER. WATER & SANITARY SEWER LOADINGS:

AVERAGE 72 GPM SEWER:

2. B.T.U. WILL PROVIDE DRAWINGS FOR CONDUIT INSTALLATION. 5. DEVELOPER WILL INSTALL METER/SERVICE LOCATION AS CLOSE AS POSSIBLE TO . WATER DEMAND AND SEWER PRODUCTION PER BLDG (50 WSFU PER BLDG.): 1,600 GPD 3,200 GPD 14,000 GPD

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3' SHRUB / BUSHES FOR SCREENING 5. THIS PROJECT SITE DOES NOT LIE WITHIN THE 100 YEAR FLOODPLAIN PER F.E.M.A. FIRM 8. THIS PROPERTY IS LOCATED IN THE SOUTH COLLEGE OVERLAY DISTRICT.

THIS DRAWING IS

RELEASED UNDER THE

**AUTHORITY OF** 

JOE I GATTIS, PE,

#90964, FOR THE

**PURPOSE OF REVIEW** 

ONLY. THIS DRAWING IS

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CONSTRUCTION OR

BIDDING PURPOSES.

02-10-2016

**DEVELOPER** 

BK HOME DEVELOPMENT, IN

PO BOX 390

MOODY, TEXAS 76557

254-721-6179

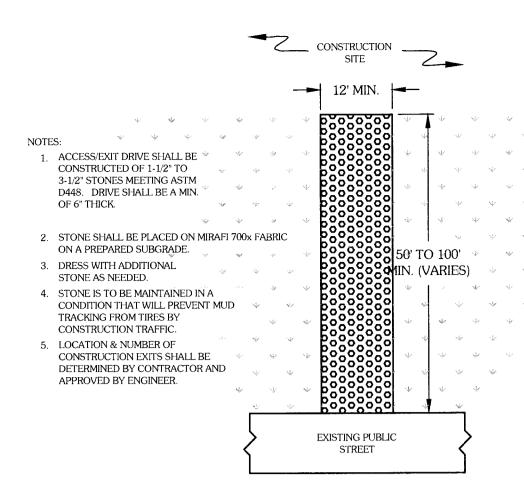
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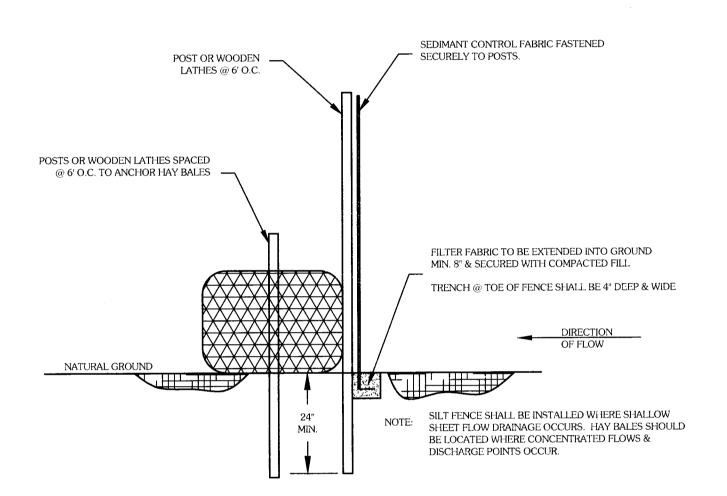
DRAWN BY: JOE G.

DATE: FEBRUARY 9, 2016 SCALE: NOTED PROJECT #: GE025006

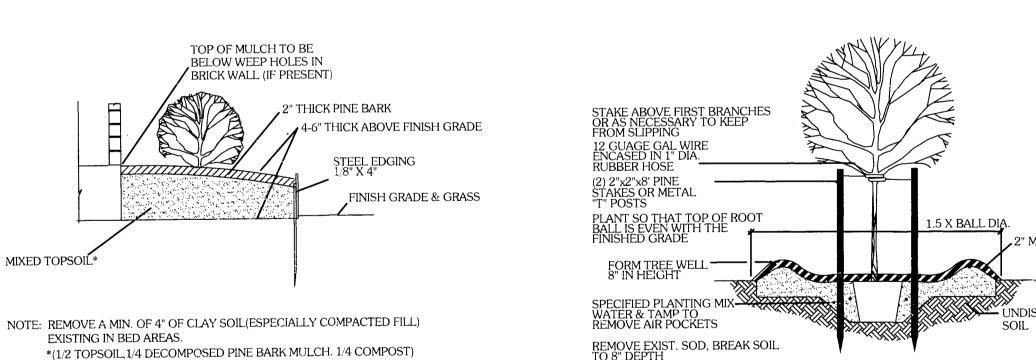
**C-1** 



TYPICAL CONSTRUCTION ACCESS/EXIT DRIVE SCALE: N.T.S.



SILT FENCE & HAY BALE ASSEMBLY

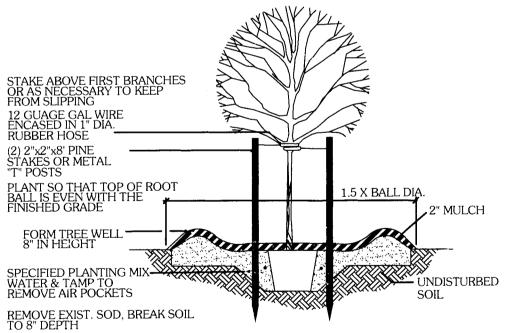


PLANTER BED DETAIL

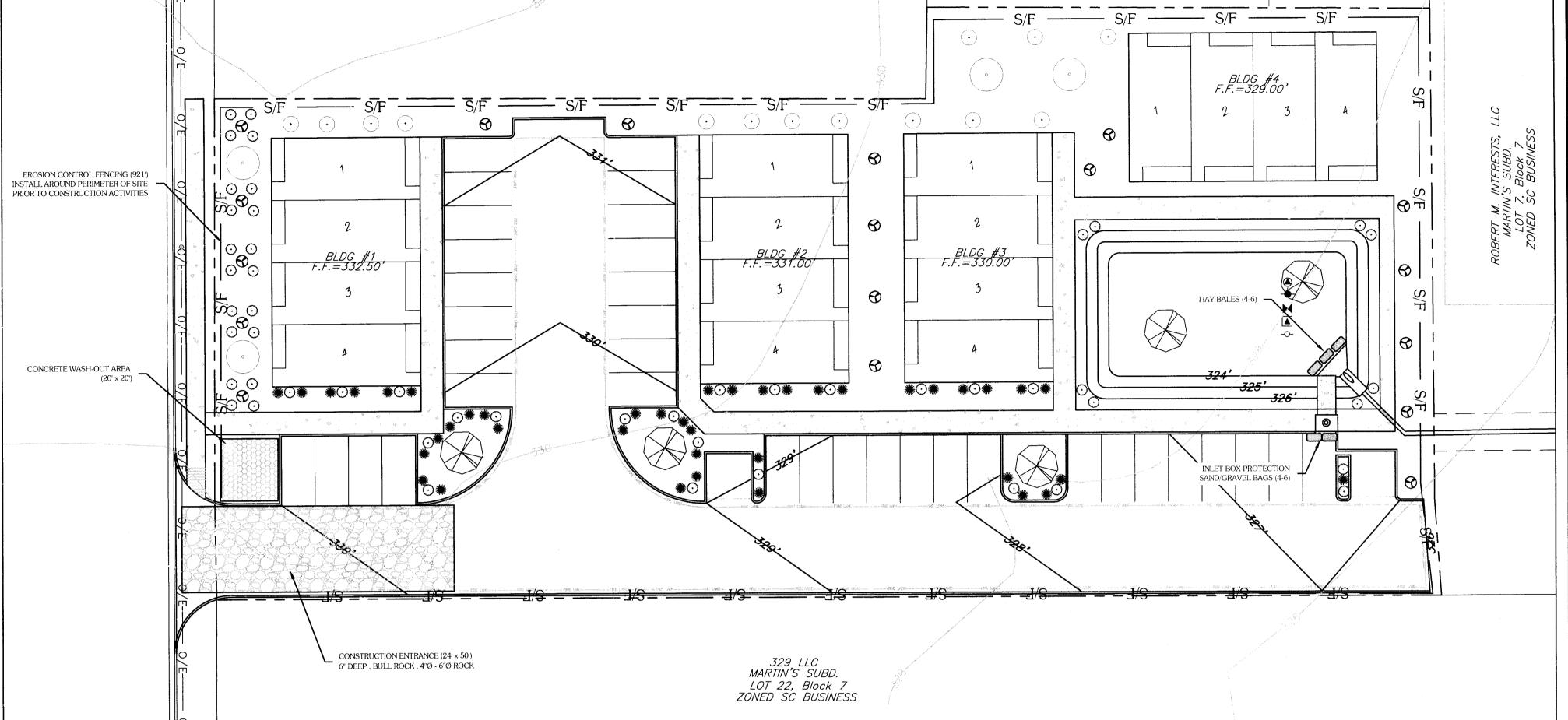
SCALE: NOT TO SCALE

MIXED TOPSOIL\*

EXISTING IN BED AREAS.



TREE PLANTING ON LEVEL GROUND DETAIL SCALE: NOT TO SCALE



MARTIN'S PLACE

MARTIN'S SUBD.

LOTS 1 - 4, Block 7 ZONED SC BUSINESS

1	LAN	DSCAPE	E & EROS	SION			
( <b>X</b> )	CONTROL PLAN  SCALE: 1" = 20'						
		SCALE: I' = 20					
	20	0	20	40			
~							

SYMBOL	<u>SIZE</u>	OFFICIAL NAME	<u>#</u>	<u>SF</u> <u>VALUE</u>	TOTAL
	1.5" - 3" CALIPER	BALD CYPRESS (TAXODIUM DISTICHUM) CANOPY TREE	5	225	1,125
0	1.5" - 3" CALIPER	LIVE OAK (QUERCUS VIRGINIANA) CANOPY TREE	4	225	900
8	1.5" - 3" CALIPER	DYNAMITE CRAPE MYRTLE (LAGERSTROEMIA INDICA 'DYNAMITE') NON-CANOPY TREE	18	150	2,700
$\overline{\cdot}$	1.5" - 3" CALIPER	TEXAS MOUNTAIN LAUREL (SOPHORA SECUNDIFLORA) NON-CANOPY TREE	14	150	2,100
0	2 - 5 GALLON	KNOCK-OUT ROSE (ROSE 'RADRAZZ') SHRUB	50	10	500
**	2 - 5 GALLON	GULF MUHLY GRASS (MUHLENBERGIA CAPILLARIS) SHRUB	41	10	410
0	COVER	BERMUDA GRASS	1,000	1	1,000
TOTAL AREA PROVIDED: 8,285					

## LANDSCAPE REQUIREMENTS:

1) 15% OF DEVELOPED AREA (46,973 SQ FT) = 7,046 SF 2) NOT LESS THAN 50% OF REQUIRED AREA SHALL BE TREES - 3,523 SF REQ'D , 6,375 PROVIDED 3) NOT LESS THAN 50% OF TREES PLANTED SHALL BE CANOPY TREES. - 1,762 SF REQ'D, 2,025 PROV'D

TOTAL AREA REQUIRED: 7,046 SF

4) ALL PARKING ISLANDS MUST HAVE A CANOPY TREE.

LANDSCAPED AREA PROVIDED: 8,735 SF

LANDSCAPING NOTES:

1. <u>BENCHMARK ELEV. = 329.43'</u> - BENCHMARK ELEVATION IS TOP NUT OF THE EXISTING FIRE HYDRANT LOCATED AT THE INTERSECTION OF WATSON LANE & SOUTH COLLEGE.

RAABE ALAN D. MARTIN'S SUBD.

LOT 11, Block 7

ZONED SC BUSINESS

KOCMAN F. KAPCHINSKI

ZONED SC BUSINESS

LOT 12 & 13, Block 7

MARTIN'S SUBD.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES. AT LEAST 48-HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL

CONTACT DIG TESS @ 1-800-344-8377.

3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH B/CS UNIFIED DESIGN GUIDELINES AND SPECIFICATIONS FOR WATER, SEWER, DRAINAGE AND STREET CONSTRUCTION. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY'S FANDATED. ALL CONSTRUCTION SHALL BE

COORDINATED WITH THE CITY ENGINEER'S OFFICE PRIOR TO START.

4. THE CONTRACTOR IS RESPONSIBLE FOR <u>ALL</u> CONSTRUCTION SAFETY. CONSTRUCTION DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

5. LOCATION OF EXISTING BURIED UTILITIES, WHERE SHOWN, IS APPROXIMATED ONLY. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE CONSTRUCTION DRAWINGS. THE CONTRACTOR

SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING OF ALL BURIED UTILITIES. 6. SITE SIGNAGE: SIGNAGE SHALL BE PERMITTED SEPARATELY. 7. 100% COVERAGE OF GROUND COVER. DECORATIVE PAVING, DECORATIVE ROCK, OR A

PERENNIAL GRASS IS REQUIRED IN PARKING LOT ISLANDS, SWALES AND DRAINAGE AREAS, THE PARKING LOT SETBACK, RIGHTS-OF-WAY. AND ADJACENT PROPERTY DISTURBED DURING

CONSTRUCTION.

8. LANDSCAPE IRRIGATION DESIGN SHALL BE PROVIDED BY OTHERS AND ARE NOT CONTAINED IN THESE DOCUMENTS.

9. A LICENSED IRRIGATION INSTALLER IS REQUIRED FOR THE DESIGN & INSTALLATION OF THE LANDSCAPING IRRIGATION.

10. PROPOSED IRRIGATION SYSTEM MUST BE PROTECTED BY EITHER A PRESSURE VACUUM BREAKER, A REDUCED PRESSURE PRINCIPLE BACK FLOW DEVICE, OR A DOUBLE-CHECK

BACK FLOW DEVICE, AND INSTALLED AS PER CITY ORDINANCE 2394. 11. ALL BACK-FLOW DEVICES MUST BE INSTALLED AND TESTED UPON INSTALLATION AS PER

CITY ORDINANCE 2394.

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**DEVELOPER** 

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ENGIN

254-721-6179

CONDOS LEGE AVE. N, TEXAS ), 2016 SOUTH 3411 SO COLLEG

APE 1

DRAWN BY: JOE G. DATE: FEBRUARY 9, 2016 SCALE: NOTED

PROJECT #: GE025006